

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/035845

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/351 C07D205/08 C07D405/10 C07D405/12 C07D409/10
C07D409/12 C07H15/26 A61P3/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/066464 A1 (KOTOBUKI PHARMACEUTICAL CO., LTD., JAPAN) 29 August 2002 (2002-08-29) cited in the application see compounds 1-58 abstract	1-17
Y	US 5 756 470 A (YUMIBE, NATHAN P. ET AL) 26 May 1998 (1998-05-26) the whole document	1-17
Y	WO 97/16455 A1 (SCHERING CORPORATION, USA) 9 May 1997 (1997-05-09) the whole document	1-17
Y	US 2002/137689 A1 (GLOMBIK HEINER ET AL) 26 September 2002 (2002-09-26) cited in the application the whole document	1-17

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

15 March 2005

Date of mailing of the international search report

23/03/2005

Name and mailing address of the ISA

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 12-16 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 02066464	A1	29-08-2002	BR 0206193 A 03-02-2004 CA 2438961 A1 29-08-2002 EP 1362855 A1 19-11-2003 MX PA03005073 A 05-09-2003 US 2004063929 A1 01-04-2004
US 5756470	A	26-05-1998	NONE
WO 9716455	A1	09-05-1997	AT 219495 T 15-07-2002 AU 712158 B2 28-10-1999 AU 7517996 A 22-05-1997 BR 9611401 A 05-01-1999 CA 2235943 A1 09-05-1997 CN 1205707 A ,C 20-01-1999 CY 2353 A 04-06-2004 CZ 9801294 A3 14-10-1998 DE 69621952 D1 25-07-2002 DE 69621952 T2 16-01-2003 DK 877750 T3 15-07-2002 EP 0877750 A1 18-11-1998 ES 2175141 T3 16-11-2002 HK 1012507 A1 18-10-2002 HU 9802539 A2 30-11-1998 ID 16177 A 11-09-1997 JP 10512592 T 02-12-1998 JP 3385031 B2 10-03-2003 JP 2001048895 A 20-02-2001 NO 981950 A 26-06-1998 NZ 321766 A 29-07-1999 PL 327987 A1 04-01-1999 PT 877750 T 30-09-2002 SK 48398 A3 04-11-1998 TW 448181 B 01-08-2001 ZA 9609089 A 29-04-1997
US 2002137689	A1	26-09-2002	DE 10064398 A1 27-06-2002 DE 10152981 A1 08-05-2003 AU 1609702 A 01-07-2002 BR 0116325 A 14-10-2003 CA 2431983 A1 27-06-2002 CN 1483021 A 17-03-2004 CZ 20031732 A3 17-09-2003 EE 200300236 A 15-08-2003 WO 0250027 A1 27-06-2002 EP 1345895 A1 24-09-2003 HU 0401081 A2 28-09-2004 JP 2004516280 T 03-06-2004 NO 20032734 A 18-08-2003 PL 362379 A1 18-10-2004 SK 7822003 A3 02-12-2003 ZA 200304093 A 23-04-2004